From the INTERNATIONAL SEARCHING AUTHORITY

To:	
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WRITTEN OPINION OF THE

600 SOUTH AVENUE WEST WESTFIELD, NJ 07090		INTERNATIONAL SEARCHING AUTHORITY			
		(PCT Rule 43bis.1)			
		Date of mailing 3 0 DEC 2004			
Applicant's or agent's file reference		FOR FURTHER	ACTION See paragraph 2 below		
POLYPR-028					
International application No.	International filing date	(day/month/year)	Priority date (day/month/year)		
PCT/US04/14325	07 May 2004 (07.05.200		09 May 2003 (09.05.2003)		
International Patent Classification (IPC)	or both national classifica	tion and IPC			
IPC(7): C12Q 1/68; C12P 19/34 and US	Cl.: 435/6, 91.1, 91.2				
Applicant GENISPHERE INC.					
	**				
1. This opinion contains indications rela	ating to the following iten	ns:			
Box No. I Basis of the	opinion				
Box No. II Priority					
Box No. III Non-establis	shment of opinion with re	gard to novelty, inve	ntive step and industrial applicability		
Box No. IV Lack of unit	ty of invention		1		
	atement under Rule 43bis c; citations and explanation		o novelty, inventive step or industrial atement		
Box No. VI Certain doct	uments cited				
Box No. VII Certain defe	ects in the international ap	application			
Box No. VIII Certain obse	Box No. VIII Certain observations on the international application				
2. FURTHER ACTION					
International Preliminary Examining	g Authority ("IPEA") ex he IPEA and the chosen I	cept that this does PEA has notified the	be considered to be a written opinion of the not apply where the applicant chooses an International Bureau under Rule 66.1bis(b) ered.		
If this opinion is, as provided above IPEA a written reply together, who mailing of Form PCT/ISA/220 or be	ere appropriate, with am	endments, before th	EA, the applicant is invited to submit to the e expiration of 3 months from the date of rity date, whichever expires later.		
For further options, see Form PCT/I	SA/220.				
3. For further details, see notes to Forn	n PCT/ISA/220.	•			
Name and mailing address of the ISA/ US	<u> </u>	Authorized officer	DEBORAH A. THOMAS		
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Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International	application	No.

PCT/US04/14325

Box N	o. I Basis of this opinion
1. With	regard to the language, this opinion has been established on the basis of the international application in the language in which s filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With claim	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the led invention, this opinion has been established on the basis of:
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material
	in written format
	in computer readable form
· c.	time of filing/furnishing
,••	contained in international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3. 🗌	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in
	the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Addit	tional comments:



International application No. PCT/US04/14325

Box No. V Reasoned statement under Rule 43 applicability; citations and explanations				ep or industr	ial
1. Statement					
Novelty (N)	Claims	1-34 and 36-39		:	YES
	Claims	35			_NO
	1	•	• •		4a
Inventive step (IS)	Claims	1-34 and 36-39			_YES
	Claims	35			_NO
	•	٠.		* <u>* * *</u>	
Industrial applicability (IA)	Claims	1-39			_YES
	Claims	NONE			_NO

2. Citations and explanations:

Claim 55 lacks novelty under PCT Article 33(2) as being anticipated by Berninger et al. This claim is drawn to a kit comprising a double-stranded RNA polymerase promoter having a sense strand and antisense strand, wherein the sense strand of said promoter comprises a single-stranded 3' overhang sequence. It is noted that "instructional materials" are not given patentable weight, as they relate to an "intended use" for the kit rather than to a kit component. Berninger et al. disclose such a kit in column 6, lines 30-42; also see Fig. 1.

Claims 1-34 and 36-39 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a method wherein an oligodeoxynucleotide tail is attached to the 3' end of a single-stranded cDNA molecule, followed by annealing and ligation of a double-stranded RNA polymerase promoter such as is taught by Berninger et al., followed by initiation of RNA transcription to produce RNA molecules. Also, there is no teaching or suggestion of modifying the kit of Berninger et al. to include at least one enzyme for attaching an oligodeoxynucleotide tail onto the 3' end of a single-stranded cDNA molecule.

Claims 1-39 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.